



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

DATA MATRIX

Date	March 19, 2012	EPA Reg No./File Symbol	87108-2	Page	1 of 8
Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603		Product: PDCB FLAKES			
Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Product Identity and Composition				
830.1550 (61-1)	Product identity and composition	40788301	----	OLD	
830.1600 (61-2)	Description of materials used to produce the product	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1620 (61-2)	Description of the production process	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1650	Description of formulation process	---	---	NA	
830.1670 (61-3)	Discussion of formation of impurities	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
	Analysis and Certified Limits				
830.1700 (62-1)	Preliminary Analysis	48227402	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1750 (62-2)	Certified limits	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1800 (62-3)	Enforcement analytical method	40788301	----	OLD	

Signature

*Peggy M. Galloway*

Name and Title:

Peggy M. Galloway, Regulatory Agent

Date

19 MAR 2012





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Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Physical and Chemical Properties				
830.6302 (63-2)	Color	40788301	----	OLD	
830.6303 (63-3)	Physical state	40788301	----	OLD	
830.6303 (63-4)	Odor	40788301	----	OLD	
830.6313 (63-13)	Stability to normal and elevated temperatures, metals, and metal ions	48230401	----	PL	
830.6314 (63-14)	Oxidizing or reducing action	48230401	----	PL	
830.6315 (63-15)	Flammability	----	----	NA	
830.6316 (63-16)	Explosibility	48230401	----	PL	
830.6317 (63-17)	Storage stability	41157301	----	OLD	
830.6319 (63-19)	Miscibility	----	----	NA	
830.6320 (63-20)	Corrosion characteristics	41157301	----	OLD	
830.6321 (63-21)	Dielectric breakdown voltages	----	----	NA	

Signature <i>Peggy M. Galloway</i>	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012
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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7000 (63-12)	pH	----	----	NA	
830.7050	UV/Visible Absorption	48088901	----	PL	
830.7100	Viscosity	----	----	NA	
830.7200	Melting Point/Melting Range	40788301	----	OLD	
830.7220	Boiling Point/Boiling Range	40788301	----	OLD	
830.7300 (63-7)	Density, bulk density or specific gravity	40788301	----	OLD	
830.7370	Dissociation Constant in Water	----	----	NA	
830.7560	Partition Coefficient (octanol/water)	40891801	----	OLD	
830.7840	Water Solubility	----	----	NA	
830.7950	Vapor Pressure	41900301	----	OLD	

Signature 	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012
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Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Acute Testing					
870.1100 (81-1)	Acute oral toxicity	40521001	----	OLD	
870.1200 (81-2)	Acute dermal toxicity	40521001	----	OLD	
870.1300 (81-3)	Acute inhalation toxicity	41410901	----	OLD	
870.2400 (81-4)	Primary eye irritation	42205301	----	OLD	
870.2500 (81-5)	Primary dermal irritation	42205302	----	OLD	
870.2600 (81-6)	Dermal sensitization	42205303	----	OLD	
Subchronic Testing					
870.3100	Oral Subchronic (rodent)	----	----	NA	
870.3150	Oral Subchronic (nonrodent)	43988801	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
870.3200	21-Day Dermal	41315001	---	OLD	

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Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3250	90-Day Dermal	----	----	NA	
870.3465	90-Day Inhalation	41822801	Chlorobenzene Producers Association	OWN	
Developmental Toxicity and Reproduction					
870.3700	Developmental Toxicity (rodent)	42619601	Chlorobenzene Producers Association	OWN	
870.3700	Developmental Toxicity (nonrodent)	40568001	----	OLD	
870.3800	Reproduction and Fertility Effects	41108801	----	OLD	
Chronic Toxicity Test Guidelines					
870.4100	Chronic Toxicity (rodent)	----	----	NA	
870.4100	Chronic Toxicity (nonrodent)	43988802	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
870.4200	Oncogenicity	40521005	----	OLD	
870.4300	Chronic/Oncogenicity (rat) Chronic/Oncogenicity (mouse)	40521005 40521005	----	OLD	
Signature <i>Peggy M. Galloway</i>			Name and Title: Peggy M. Galloway, Regulatory Agent		Date 19 MAR 2012





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**Ingredient**  
Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Mutagenicity Testing Guidelines</b>					
870.5100	Mutagenicity – Gene Mutation – Bacterial	40521004 40568002 40568003	----	OLD	
870.5275	Sex-linked Recessive Lethal Test in <i>Drosophila Melanogaster</i>	40521007	----	OLD	
870.5300	Mutagenicity – Gene Mutation – Mammalian	40521007 40521013 40521014	----	OLD	
870.5375	Mutagenicity – Structural Chromosomal Aberrations	40521007	----	OLD	
870.5395	Mutagenicity – Other Genotoxic Effects	40521012	----	OLD	
870.5450	Rodent Dominant Lethal Assay	40521011	----	OLD	
870.7485	UDS in Mammalian Cells	40521008	----	OLD	
870.5900	In vitro Sister Chromatid Exchange Assay	40521007	----	OLD	

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Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Neurotoxicity Testing Guidelines					
870.6100	Delayed Neurotox. (hen)	----	----	NA	
870.6100	90-Day Neurotoxicity (hen)	----	----	NA	
870.6200	Acute Neurotox. Screening Battery	43350601	Chlorobenzene Producers Association	OWN	
870.6200	90-Day Neuro. Screening Battery (rat)	43350602	Chlorobenzene Producers Association	OWN	
870.6300	Developmental Neurotoxicity	----	----	NA	
Special Testing Guidelines					
870.7485	General Metabolism	41697801	----	OLD	
870.7600	Dermal Penetration	----	----	NA	
870.7800	Immunotoxicity	TBD	---	---	To Be Submitted 2 <sup>nd</sup> Qtr 2012

Signature

*Peggy M. Galloway*

Name and Title:

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Avian and Mammalian Testing					
850.2100 (71-1)	Avian acute oral	----	----	NA	
Aquatic Organisms Testing					
850.1075 (72-1)	Freshwater fish acute LC50	----	----	NA	
850.1010 (72-2)	Freshwater invertebrate acute EC50	----	----	NA	
850.1075 (72-3a)	Estuarine/marine fish acute LC50 (sheepshead minnow)	----	----	NA	
Applicator Exposure					
875.2400 (133-3)	Dermal Passive Dosimetry Exposure	43716501	Recochem, Inc.	PER	
875.2500 (133-4)	Inhalation Passive Dosimetry Exposure	TBD	----	----	To Be Submitted 2 <sup>nd</sup> Qtr 2012

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Product Identity and Composition				
830.1550 (61-1)	Product identity and composition	40788301	----	OLD	
830.1600 (61-2)	Description of materials used to produce the product	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1620 (61-2)	Description of the production process	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1650	Description of formulation process	---	---	NA	
830.1670 (61-3)	Discussion of formation of impurities	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
	Analysis and Certified Limits				
830.1700 (62-1)	Preliminary Analysis	48227402	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1750 (62-2)	Certified limits	48227401	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
830.1800 (62-3)	Enforcement analytical method	40788301	----	OLD	

Signature <i>Peggy M. Galloway</i>	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012
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**Ingredient**  
Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Physical and Chemical Properties				
830.6302 (63-2)	Color	40788301	----	OLD	
830.6303 (63-3)	Physical state	40788301	----	OLD	
830.6303 (63-4)	Odor	40788301	----	OLD	
830.6313 (63-13)	Stability to normal and elevated temperatures, metals, and metal ions	48230401	----	PL	
830.6314 (63-14)	Oxidizing or reducing action	48230401	----	PL	
830.6315 (63-15)	Flammability	----	----	NA	
830.6316 (63-16)	Explodability	48230401	----	PL	
830.6317 (63-17)	Storage stability	41157301	----	OLD	
830.6319 (63-19)	Miscibility	----	----	NA	
830.6320 (63-20)	Corrosion characteristics	41157301	----	OLD	
830.6321 (63-21)	Dielectric breakdown voltages	----	----	NA	

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830.7050	UV/Visible Absorption	48088901	----	PL	
830.7100	Viscosity	----	----	NA	
830.7200	Melting Point/Melting Range	40788301	----	OLD	
830.7220	Boiling Point/Boiling Range	40788301	----	OLD	
830.7300 (63-7)	Density, bulk density or specific gravity	40788301	----	OLD	
830.7370	Dissociation Constant in Water	----	----	NA	
830.7560	Partition Coefficient (octanol/water)	40891801	----	OLD	
830.7840	Water Solubility	----	----	NA	
830.7950	Vapor Pressure	41900301	----	OLD	

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870.1200 (81-2)	Acute dermal toxicity	40521001	----	OLD	
870.1300 (81-3)	Acute inhalation toxicity	41410901	----	OLD	
870.2400 (81-4)	Primary eye irritation	42205301	----	OLD	
870.2500 (81-5)	Primary dermal irritation	42205302	----	OLD	
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Subchronic Testing					
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870.3150	Oral Subchronic (nonrodent)	43988801	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
870.3200	21-Day Dermal	41315001	---	OLD	

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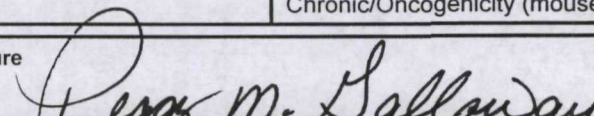


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870.3465	90-Day Inhalation	41822801	Chlorobenzene Producers Association	OWN	
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870.3800	Reproduction and Fertility Effects	41108801	----	OLD	
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870.4100	Chronic Toxicity (nonrodent)	43988802	Jiangsu Yangnong Chemical Group Co., Ltd.	OWN	
870.4200	Oncogenicity	40521005	----	OLD	
870.4300	Chronic/Oncogenicity (rat) Chronic/Oncogenicity (mouse)	40521005 40521005	----	OLD	
Signature 		Name and Title: Peggy M. Galloway, Regulatory Agent		Date 19 MAR 2012	





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DATA MATRIX

Date	March 19, 2012	EPA Reg No./File Symbol	87108-2	Page	6 of 8
Applicant's/Registrant's Name & Address JIANGSU YANGNONG CHEMICAL GROUP CO., LTD. c/o LANDIS INTERNATIONAL, INC. P.O. Box 5126 Valdosta, GA, 31603		Product: PDCB FLAKES			

Ingredient  
Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Mutagenicity Testing Guidelines					
870.5100	Mutagenicity – Gene Mutation – Bacterial	40521004 40568002 40568003	----	OLD	
870.5275	Sex-linked Recessive Lethal Test in <i>Drosophila Melanogaster</i>	40521007	----	OLD	
870.5300	Mutagenicity – Gene Mutation – Mammalian	40521007 40521013 40521014	----	OLD	
870.5375	Mutagenicity – Structural Chromosomal Aberrations	40521007	----	OLD	
870.5395	Mutagenicity – Other Genotoxic Effects	40521012	----	OLD	
870.5450	Rodent Dominant Lethal Assay	40521011	----	OLD	
870.7485	UDS in Mammalian Cells	40521008	----	OLD	
870.5900	In vitro Sister Chromatid Exchange Assay	40521007	----	OLD	

Signature 	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012
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**Ingredient**

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
<b>Neurotoxicity Testing Guidelines</b>					
870.6100	Delayed Neurotox. (hen)	----	----	NA	
870.6100	90-Day Neurotoxicity (hen)	----	----	NA	
870.6200	Acute Neurotox. Screening Battery	43350601	Chlorobenzene Producers Association	OWN	
870.6200	90-Day Neuro. Screening Battery (rat)	43350602	Chlorobenzene Producers Association	OWN	
870.6300	Developmental Neurotoxicity	----	----	NA	
<b>Special Testing Guidelines</b>					
870.7485	General Metabolism	41697801	----	OLD	
870.7600	Dermal Penetration	----	----	NA	
870.7800	Immunotoxicity	TBD	---	---	To Be Submitted 2 <sup>nd</sup> Qtr 2012

Signature

*Peggy M. Galloway*

Name and Title:

Peggy M. Galloway, Regulatory Agent

Date

19 MAR 2012





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Ingredient Para-dichlorobenzene (1,4-dichlorobenzene, CAS 106-46-7)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

Avian and Mammalian Testing					
850.2100 (71-1)	Avian acute oral	----	----	NA	
Aquatic Organisms Testing					
850.1075 (72-1)	Freshwater fish acute LC50	----	----	NA	
850.1010 (72-2)	Freshwater invertebrate acute EC50	----	----	NA	
850.1075 (72-3a)	Estuarine/marine fish acute LC50 (sheepshead minnow)	----	----	NA	
Applicator Exposure					
875.2400 (133-3)	Dermal Passive Dosimetry Exposure	43716501	Recochem, Inc.	PER	
875.2500 (133-4)	Inhalation Passive Dosimetry Exposure	TBD	----	----	To Be Submitted 2 <sup>nd</sup> Qtr 2012

Signature 	Name and Title: Peggy M. Galloway, Regulatory Agent	Date 19 MAR 2012
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